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DRAFT MATERIALS FOR NOVEMBER 6, 2003 (2 PM) TELEPHONE INTERVIEW
BETWEEN EDWIN V. MERKEL AND EXAMINER HUTSON
APPLICATION SERIAL NO: 09/716,964
FIRST NAMED INVENTOR: MICHAEL E. O'DONNELL

1. (presently amended) An isolated DNA molecule from a *Thermus* species encoding a delta subunit of a DNA polymerase III-type enzyme, wherein the encoded delta subunit is capable of forming a clamp loader with a delta prime subunit and a tau subunit, the isolated DNA molecule either:

- (i) comprising the nucleotide sequence of SEQ ID NO: 157;
- (ii) encoding a delta subunit comprising the amino acid sequence of SEQ ID NO: 158; or
- (iii) hybridizing to the complement of SEQ ID NO: 157 under hybridization conditions comprising about 0.9M or less sodium citrate buffer at a temperature of at least about 37°C.

74. (presently amended) ~~An~~ The isolated DNA molecule from a *Thermus* species encoding a delta subunit of a DNA polymerase III-type enzyme, wherein the encoded delta subunit is capable of forming a clamp loader with a delta prime subunit and a tau subunit according to claim 71, wherein the DNA molecule comprises, over its length, at least about 75 percent nucleic acid identity to SEQ ID NO: 157.

ATTACHMENTS:

- (1) Partial Copy of WO 01/73052 A2 to McHenry - 4 pages
- (2) Clustal W Alignment of HolA Sequences (encoding Delta) - 3 pages